



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
T (786) 315-2590 F (786) 315-2599

www.miamidade.gov/economy

Sunshine Windows Manufacturing, Inc.
1745 W. 33rd Place
Hialeah, FL 33012

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER-Product Control Section to be used in Miami-Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (in Miami-Dade County) and/ or the AHJ (in areas other than Miami-Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series "1600" Aluminum Sliding Glass Door – N. I.

APPROVAL DOCUMENT: Drawing No. SGD08-01, titled "Series 1600 Aluminum Sliding Glass Door – Non-Impact Resistant Glass", sheets 1 through 5 of 5, dated 02/21/12, with revision #1 dated 01/10/15, prepared by manufacturer, signed and sealed by Francisco Hernandez, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: None.

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, model/ series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/ or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises NOA No. 12-0228.22 and consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by Manuel Perez, P.E.



MP
8/6/15

NOA No. 15-0204.03
Expiration Date: May 20, 2017
Approval Date: August 13 2015
Page 1

Sunshine Windows Manufacturing, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
(Submitted under NOA#08-0514.06)
2. Drawing No. **SGD08-01**, titled "Series 1600 Aluminum Sliding Glass Door – Non-Impact Resistant Glass", sheets 1 through 5 of 5, dated 02/21/12, with revision #1 dated 01/10/15, prepared by manufacturer, signed and sealed by Francisco Hernandez, P.E.

B. TESTS


1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94
along with marked-up drawings and installation diagram of an aluminum sliding glass door, glazed with 1/4" temp. glass, prepared by Fenestration Testing Laboratory, Inc. Test Report No. **FTL-5442**, dated 03/29/08, signed and sealed by Michael Wenzel, P.E.
(Submitted under NOA#08-0514.06)
2. Test reports on: Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94
along with marked-up drawings and installation diagram of an aluminum sliding glass door, glazed with 3/16" temp. glass, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-5443**, dated 03/29/08, signed and sealed by Michael Wenzel, P.E.
(Submitted under NOA#08-0514.06)

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with **FBC 5th Edition (2014)**, dated 03/31/15, prepared, signed and sealed by Francisco Hernandez, P.E.
2. Glazing complies with **ASTM E1300-04**

D. QUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER).


Manuel Perez, P.E.
Product Control Examiner
NOA No. 15-0204.03
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E. MATERIAL CERTIFICATIONS

1. None.

F. STATEMENTS

1. Statement letter of conformance, complying with **FBC 5th Edition (2014)**, dated January 28, 2015, signed and sealed by Francisco Hernandez, P.E.
2. Statement letter of no financial interest, dated February 23, 2012, signed and sealed by Francisco Hernandez, P.E.
(Submitted under previous NOA#12-0228.22)
3. Laboratory compliance letter for Test Report No. **FTL-5442**, issued by Fenestration Testing Laboratory, Inc., dated 03/31/08, signed and sealed by Michael Wenzel, P.E.
(Submitted under NOA#08-0514.06)
4. Laboratory compliance letter for Test Report No. **FTL-5443**, issued by Fenestration Testing Laboratory, Inc., dated 03/31/08, signed and sealed by Michael Wenzel, P.E.
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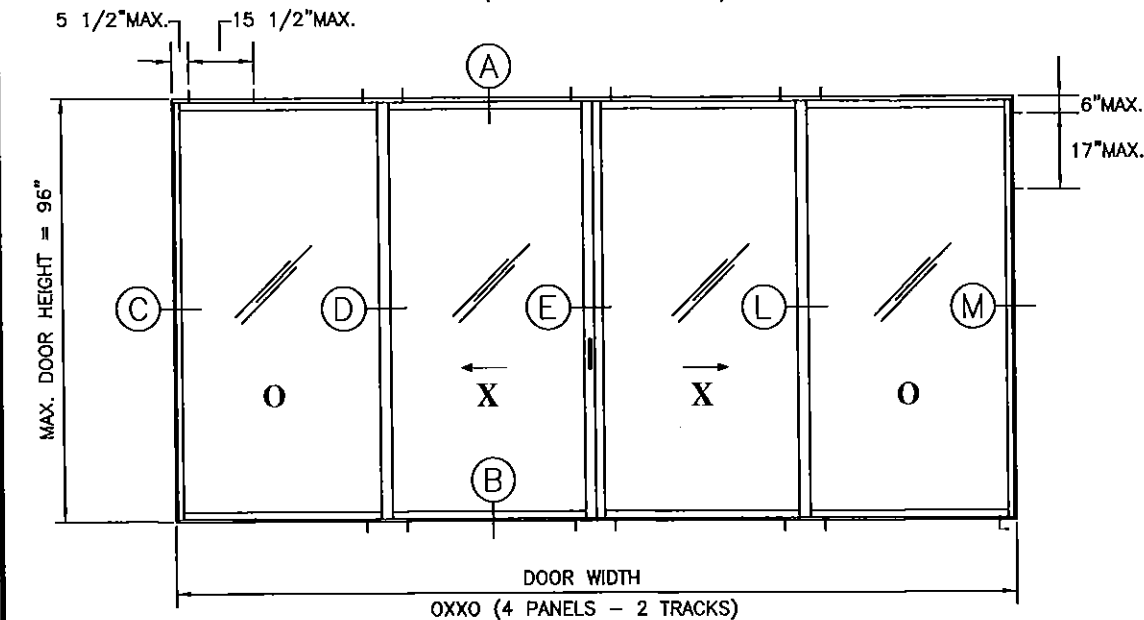
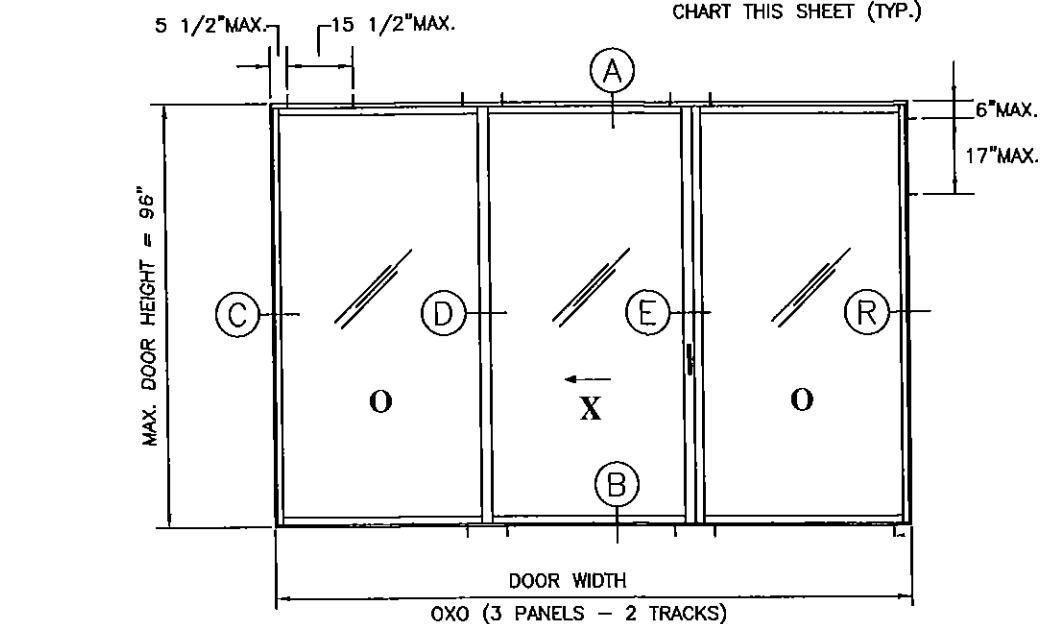
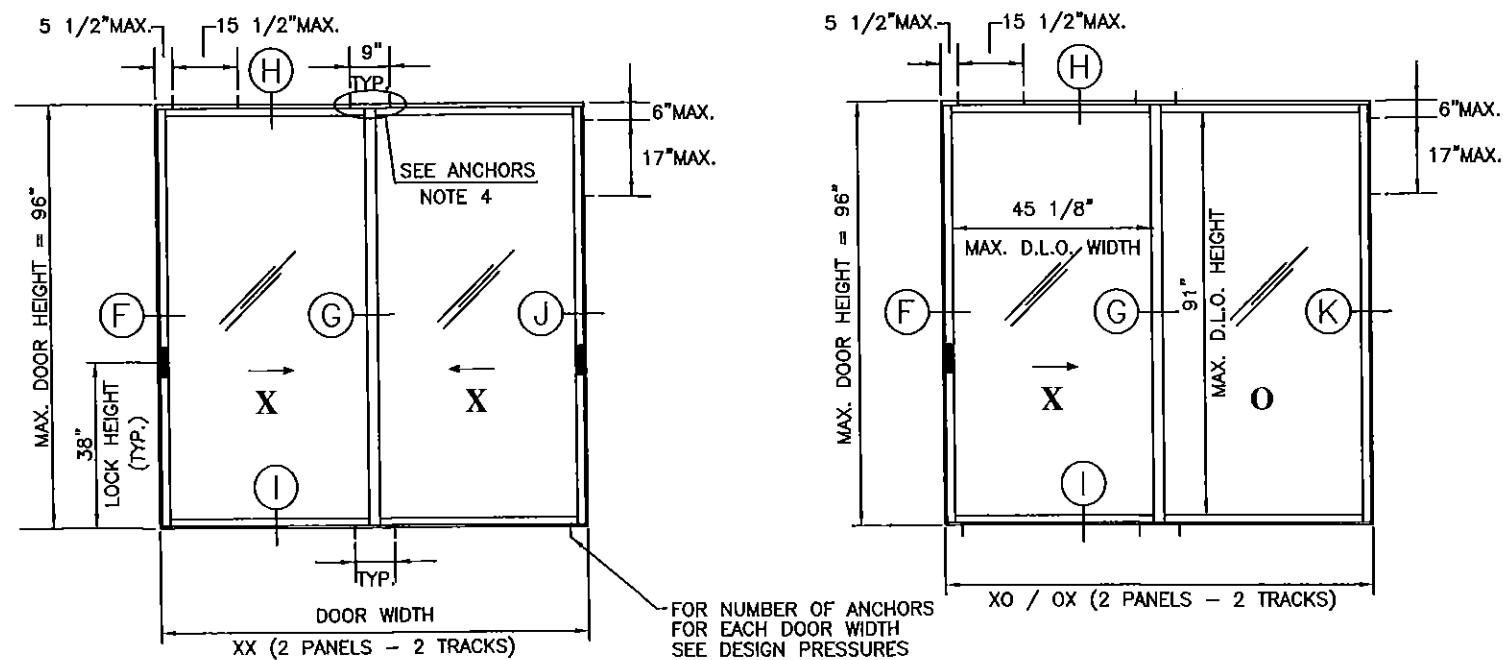
G. OTHERS

1. Notice of Acceptance No. **12-0228.22**, issued to Sunshine Windows Manufacturing, Inc. for their Series "1600" Aluminum Sliding Glass Door - N.I., approved on 05/03/12 and expiring on 05/20/17.



Manuel Perez P.E.
Product Control Examiner
NOA No. 15-0204.03

Expiration Date: May 20, 2017
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DESIGN PRESSURES AND ANCHOR DISTRIBUTION CHART

PANEL NOMINAL DIMENSION IN INCHES		NUMBER OF ANCHORS 1/4" DIAMETER ULTRACON			DESIGN PRESSURE (PSF)			
					3/16" TEMP. GLASS		1/4" TEMP. GLASS	
					EXT. (+)	INT. (-)	EXT. (+)	INT. (-)
WIDTH	HEIGHT	JAMB	AT HEAD AND AT SILL (SEE ANCHORS NOTE 5.-)					
			XX / OX	OXO	OXXO			
24	80	10	8	12	16	62.0	115.0	62.0
			12	18	24	62.0	100.0	62.0
			12	18	24	62.0	90.0	62.0
			16	24	32	62.0	75.0	62.0
24	96	12	8	12	16	62.0	110.0	62.0
			12	18	24	62.0	90.0	62.0
			12	18	24	62.0	80.0	62.0
			16	24	32	62.0	65.0	62.0
24	80	10	8	12	16	80.0	115.0	90.0
			12	18	24	80.0	100.0	90.0
			12	18	24	80.0	90.0	90.0
			16	24	32	75.0	75.0	75.0
24	96	12	8	12	16	80.0	110.0	90.0
			12	18	24	80.0	90.0	90.0
			12	18	24	80.0	80.0	80.0
			16	24	32	65.0	65.0	65.0

ANCHOR INSTALLATION NOTES:

- 1.- DOUBLE ROW AT 5 1/2" MAX. FROM CORNERS AND 15 1/2" O.C. MAX. AT HEAD AND AT SILL.
- 2.- DOUBLE ROW AT 6" MAX. FROM CORNERS AND 17" O.C. MAX. AT JAMBS.
- 3.- USE 1/4" ULTRACON PHILLIPS FLAT HEAD ANCHOR BY ELCO WITH 1 1/4" MIN. EMBEDMENT INTO CONCRETE AND 1 1/2" MIN. INTO WOOD. MIN. EDGE DISTANCE OF 2 1/2" INTO CONCRETE AND 1" INTO WOOD.
- 4.- FOR ANCHOR CLUSTERS AT HEAD AND SILL OF EACH INTERLOCK REFER TO CLUSTER DETAIL ON SHEET 4 OF 5.
- 5.- ANCHOR QUANTITIES SHOWN ON THE TABLE WERE DETERMINED BASED UPON 4-ANCHOR CLUSTERS FOR INSTALLATION INTO CONCRETE. FOR UNITS INSTALLED ON WOOD STRUCTURES OR 2-BY MEMBERS, THE ANCHOR QUANTITIES SHALL BE INCREASED ADDING 4 ANCHORS PER ASTRAGAL.

GENERAL NOTES:

- 1.- THIS PRODUCT MEETS THE REQUIREMENTS OF FBC 5TH EDITION (2014).
- 2.- MIAMI-DADE APPROVED SHUTTERS ARE REQUIRED.
- 3.- REFERENCE TEST REPORTS FTL-5442 AND FTL-5443.
- 4.- CONCRETE / MASONRY STRUCTURE FOR UNIT ATTACHMENT SHALL COMPLY WITH THE FOLLOWING REQUIREMENTS:
 - CONCRETE STRENGTH $F_c'28 = 3000$ PSI MIN.
 - CMU AS PER ASTM C90. CMU MUST BE 8-INCH THICK, NORMAL WEIGHT BLOCKS WITH A MINIMUM COMPRESSIVE STRENGTH OF 1.9 KSI.
 - FILLED CMU $F_m' = 2000$ PSI MIN.
- 5.- USE NON-SHRINK, NON-METALIC HYDRAULIC CEMENT GROUT PER ASTM C1107/C1107M STANDARD SPECIFICATION FOR PACKAGED DRY.
- 6.- WOOD HOST STRUCTURE SHALL BE "SOUTHERN YELLOW PINE" G= 0.55 OR GREATER DENSITY.
- 7.- STEEL HOST STRUCTURE SHALL NOT BE LESS THAN 18 GAUGE. STEEL SHALL BE $F_y = 36$ KSI MIN.
- 8.- THE THICKNESS OF THE ALUMINUM HOST STRUCTURE SHALL NOT BE LESS THAN 1/8". ALUMINUM SHALL BE 6063-T6.
- 9.- 1X OR 2X WOOD BUCKS NOT INCLUDED IN THE SCOPE OF THIS PRODUCT APPROVAL SHALL BE PROPERLY ATTACHED TO SUSTAIN AND TRANSFER THE LOADS IMPOSED BY THE GLAZING SYSTEM TO THE STRUCTURE AND SHALL BE APPROVED BY THE BUILDING OFFICIAL PRIOR TO DOOR INSTALLATION.
- 10.- ALUMINUM IN CONTACT WITH DISSIMILAR MATERIALS SHALL BE PROTECTED (BY OTHERS) AS SPECIFIED IN FBC 5TH EDITION (2014).

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 15-0204.03
Expiration Date 12/31/2017
By Francisco Hernandez
Miami Dade Product Control

01-10-15

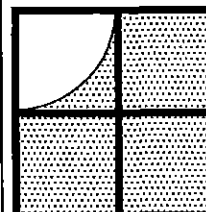
FRANCISCO HERNANDEZ
FLORIDA PE # 51393

Sunshine Windows
Manufacturing, Inc.
1745 W. 33rd Place
Hialeah, Florida 33012
Ph: (305)364-9952
Fax: (305)828-5118

SERIES 1600
ALUMINUM SLIDING GLASS DOOR
NON-IMPACT RESISTANT GLASS

REVISION
1 01-10-15 UPDATED FOR 2014 FBC

DRAWING No.
SGD08-01
DATE: 02-21-12
SCALE:
SHEET 1 OF 5



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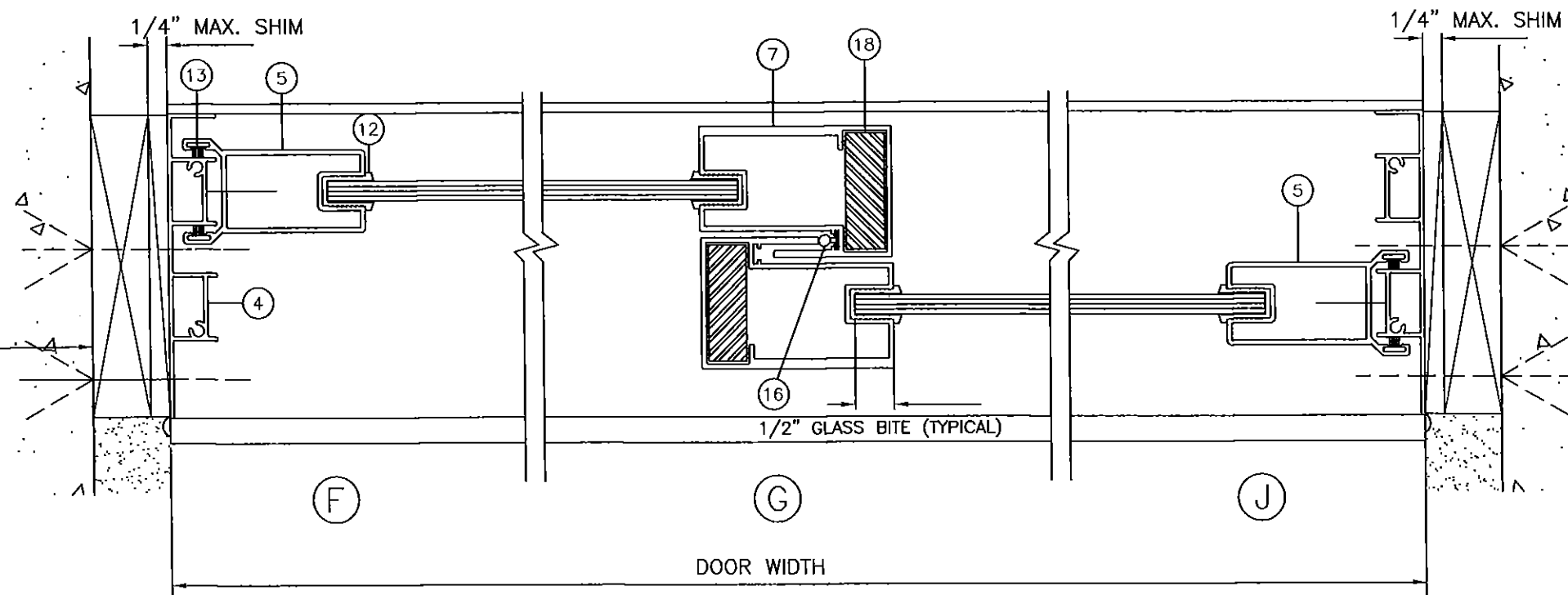
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1	01-10-15	UPDATED FOR 2014 FBC

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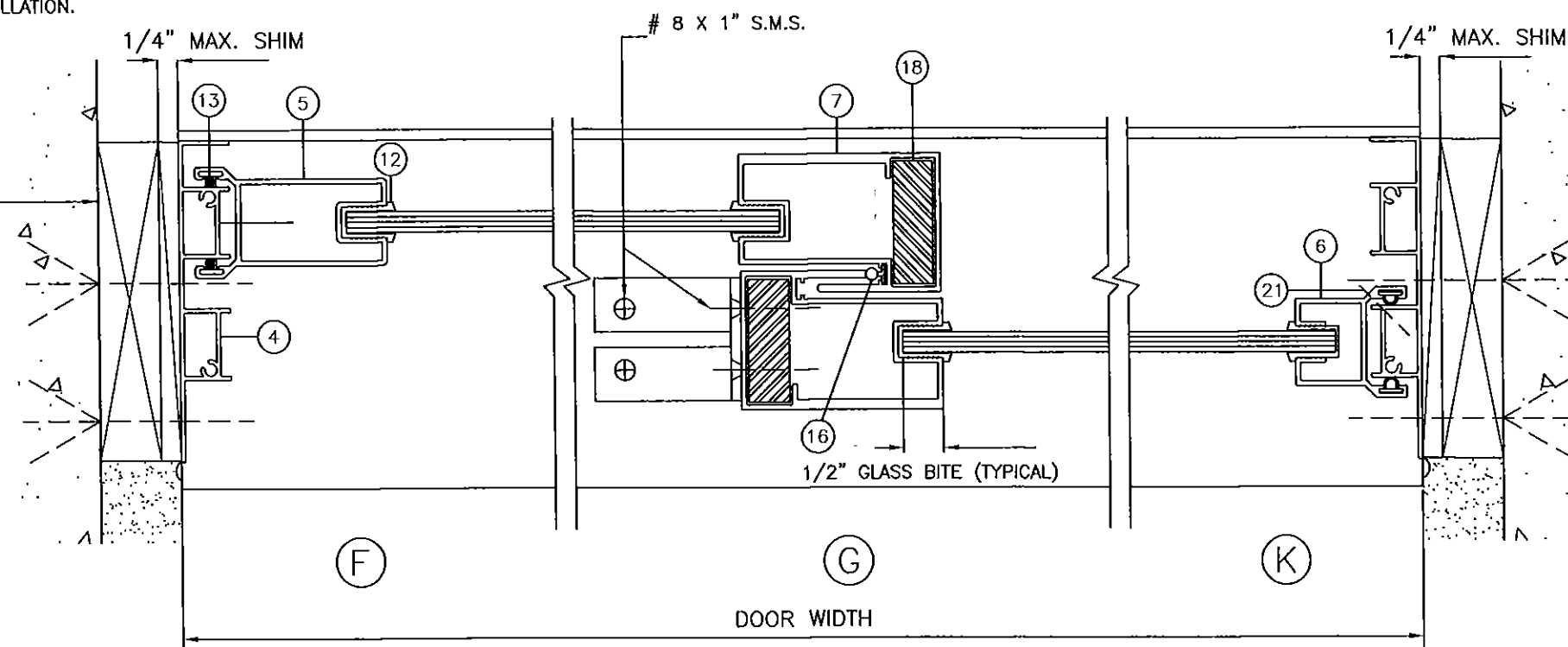
SCALE: 1/2"=1"

SHEET 2 OF 5



SEE DESIGN PRESSURE CHART
(SHEET #1) FOR ANCHOR SPACING
AND EMBEDMENT (TYPICAL)

1" BY OR 2" BY WOOD BUCK BY OTHERS
MUST BE PROPERLY SEALED AND ANCHORED
TO TRANSFER LOADS TO THE STRUCTURE.
SHOULD BE APPROVED BY BUILDING OFFICIAL
PRIOR TO WINDOW INSTALLATION.



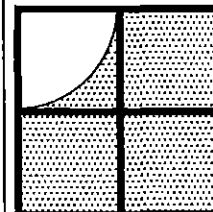
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HORIZONTAL SECTIONS

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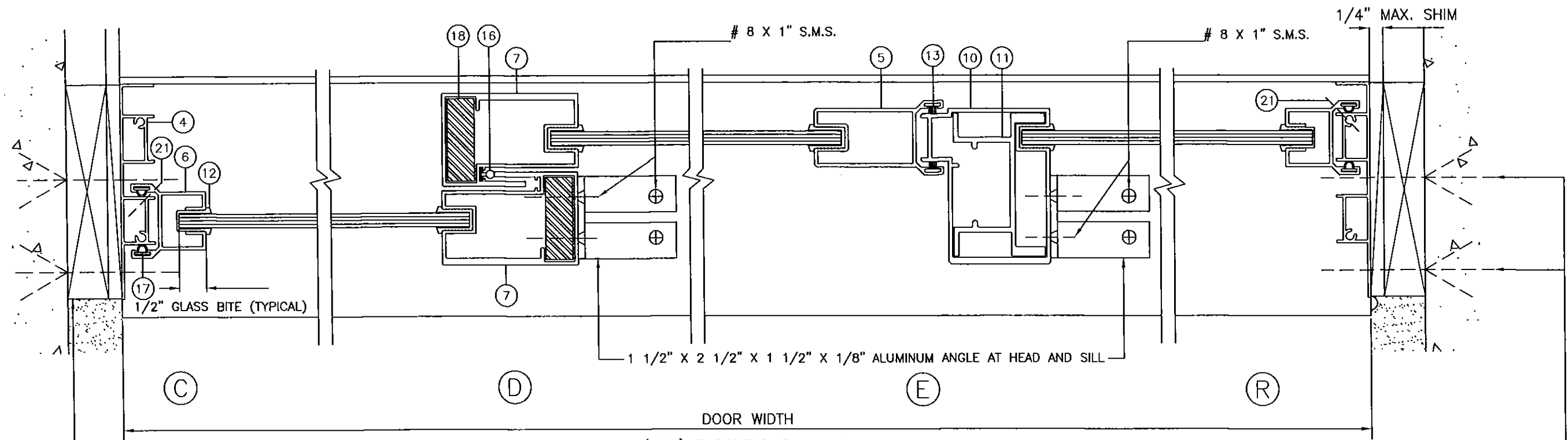


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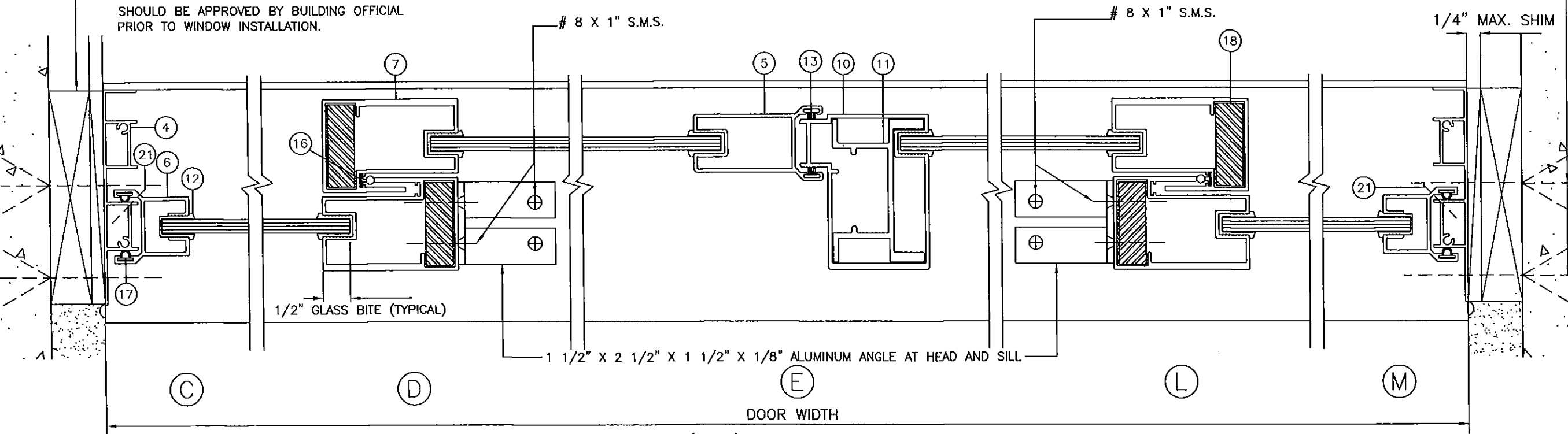
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DRAWING No.
SGD08-01
DATE: 02-21-12
SCALE: 1/2"=1"
SHEET 3 OF 5



1" BY OR 2" BY WOOD BUCK BY OTHERS
MUST BE PROPERLY SEALED AND ANCHORED
TO TRANSFER LOADS TO THE STRUCTURE.
SHOULD BE APPROVED BY BUILDING OFFICIAL
PRIOR TO WINDOW INSTALLATION.

SEE DESIGN PRESSURE CHART
(SHEET #1) FOR ANCHOR SPACING
AND EMBEDMENT (TYPICAL)

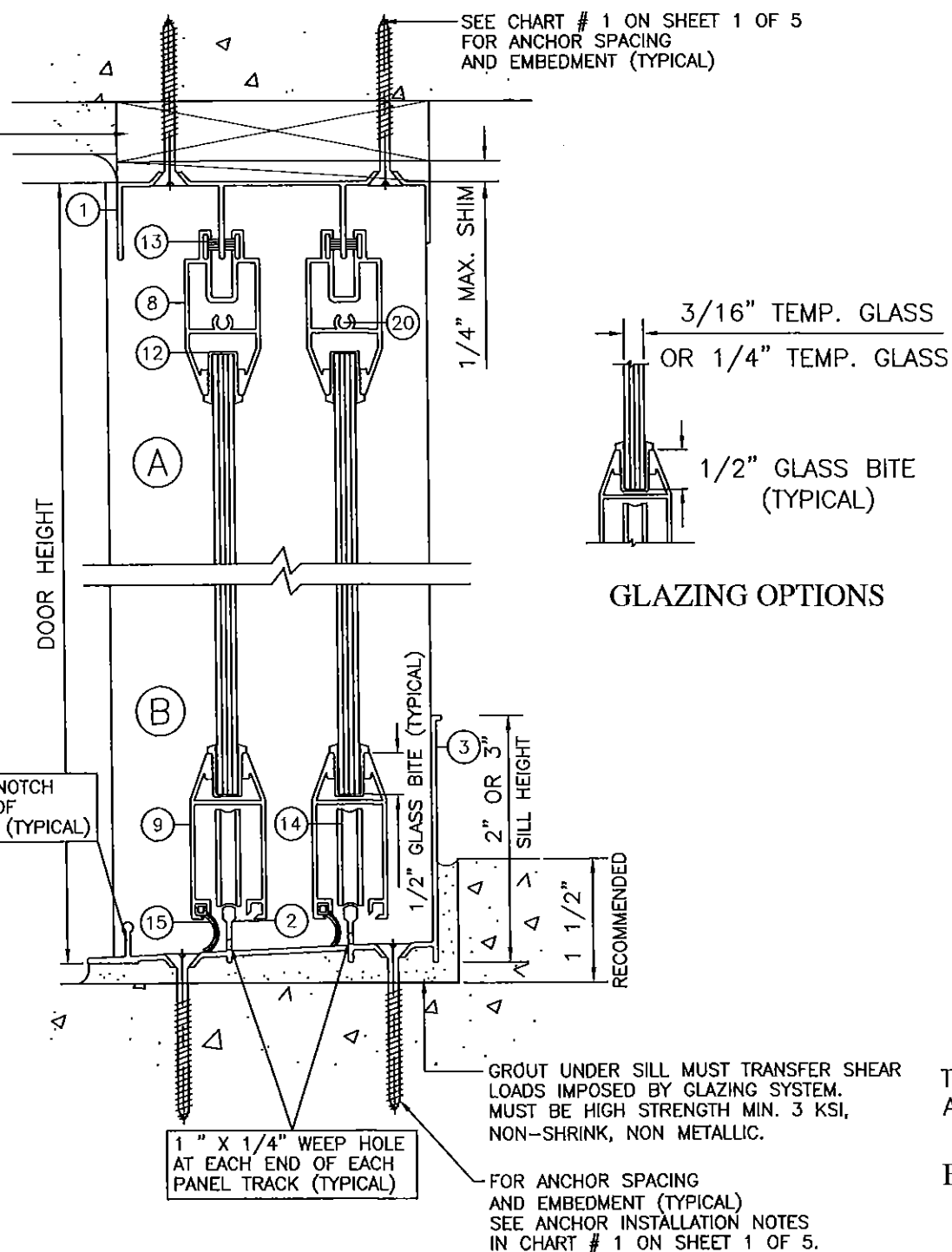


HORIZONTAL SECTIONS

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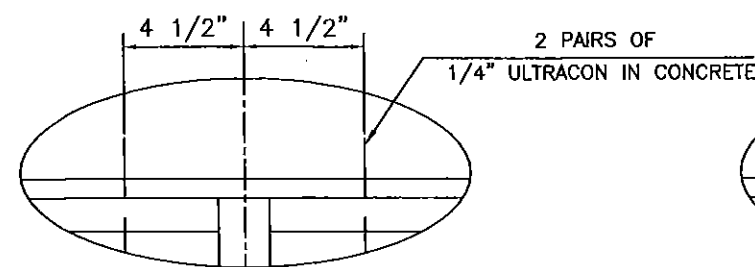
Francisco Hernandez
01-10-15
FRANCISCO HERNANDEZ
FLORIDA PE # 51393

1 BY OR 2 BY WOOD BUCK NOT BY SUNSHINE WINDOWS
MUST SUSTAIN IMPOSED LOADS BY GLAZING SYSTEM

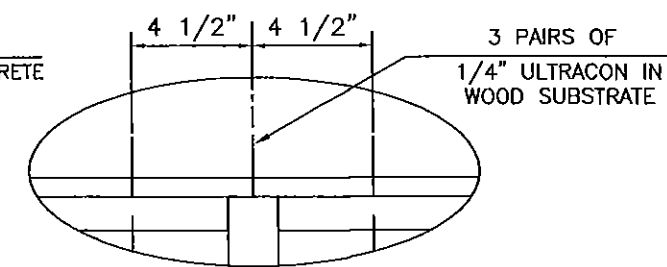


VERTICAL SECTION

MATERIAL LIST				
ITEM #	PART #	REQD.	DESCRIPTION	MATERIAL
1	SW-002	1	2 TRACKS HEAD	6063-T5
2	SSW-0015	1	2 TRACKS SILL	6063-T5
3	SSW-0002	1	2 TRACKS HI-RISE SILL	6063-T5
4	SW-001	2	2 TRACKS JAMB	6063-T5
5	SW-006	AS REQ'D	LOCK STILE	6063-T5
6	SW-007	AS REQ'D	FIXED STILE	6063-T5
7	SW-41674	AS REQ'D	HD INTERLOCK	6063-T6
8	SW-005	1/PANEL	TOP RAIL	6063-T5
9	SW-004	1/PANEL	BOTTOM RAIL	6063-T5
10	SW-3781	AS REQ'D	HD FEMALE ASTRAGAL	6063-T5
11	SW-3782	AS REQ'D	STIFFENER FOR ASTRAGAL	6063-T5
12	SW-1254	AS REQ'D	3/16" GLAZING GASKET	VINYL. DUR. 75
	SW-1254	AS REQ'D	1/4" GLAZING GASKET	VINYL. DUR. 75
13	SW-1125	DOUBLE ROW	PILE WEATHER STRIP ULTRAFAB. # 250	POLYPROPYLENE
14	SW-628	2/PANEL	ROLLER & HOUSING REFLECTOR LIGHT #19-A-112-A	STEEL
15	SW-2227	SINGLE ROW	FLAP WEATHER STRIP WYBORG # 3725/WV-2227	VINYL
16	SW-3257	SINGLE ROW	BULB WEATHER STRIP WYBORG # 470-12/WV-3257	VINYL
17	SW-3082	DOUBLE ROW	BULB WEATHER STRIP WYBORG # 470-12/WV-3082	VINYL
18	SW-STEEL	1/INTERLOCK	1/2" X 1 1/2"	STEEL
19	SW-7130	1/LOCKSTILE	FLUSH MOUNT METALIC HOOK LOCK DECO # 619218K20	ZINC
20	SW-AS	AS REQ'D	ASSEMBLY SCREWS	#8 X 1"
21	SW-FP	AS REQ'D	PAN SELF DRILLING	SMS #8 X 1"



TYPICAL AT HEAD AND AT SILL. SEE ANCHOR NOTE 4 ON SHEET 1 OF 5.
CLUSTER DETAIL
FOR INSTALLATION IN CONCRETE

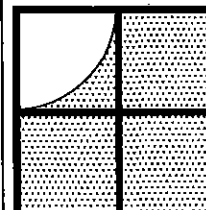


TYPICAL AT HEAD AND AT SILL. SEE ANCHOR NOTE 4 ON SHEET 1 OF 5.
CLUSTER DETAIL
FOR INSTALLATION IN WOOD

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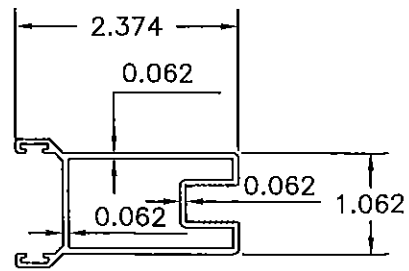
REVISION	DATE	DESCRIPTION
1	01-10-15	UPDATED FOR 2014 FBC

DRAWING No.
SGD08-01

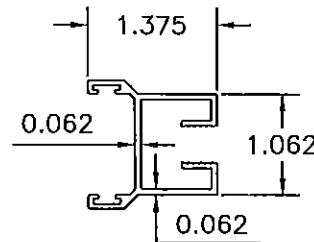
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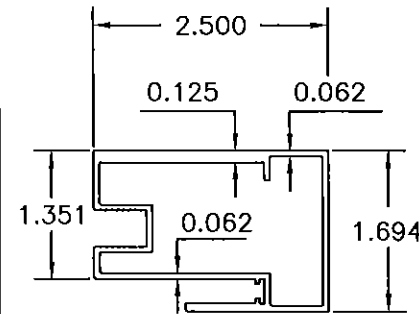
SHEET 4 OF 5



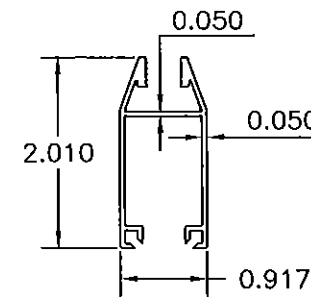
LOCK STILE
SW-006
6063-T5



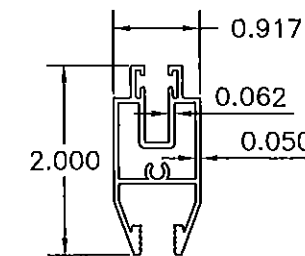
FIXED STILE
SW-007
6063-T5



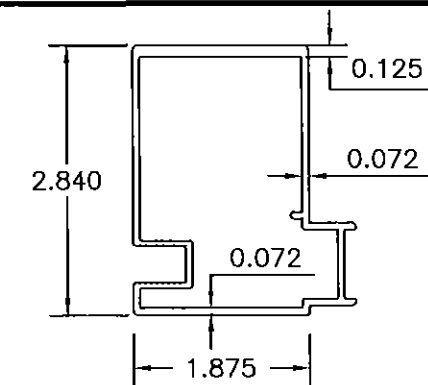
HD INTERLOCK
SW-41674
6063-T6



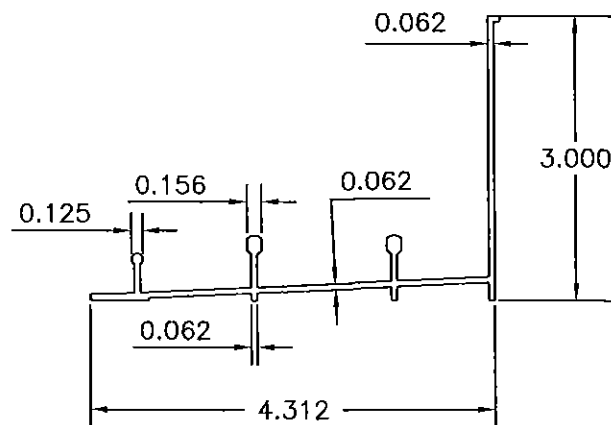
BOTTOM RAIL
SW-004
6063-T5



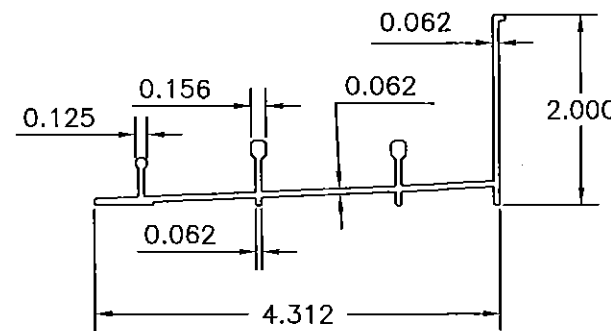
TOP RAIL
SW-005
6063-T5



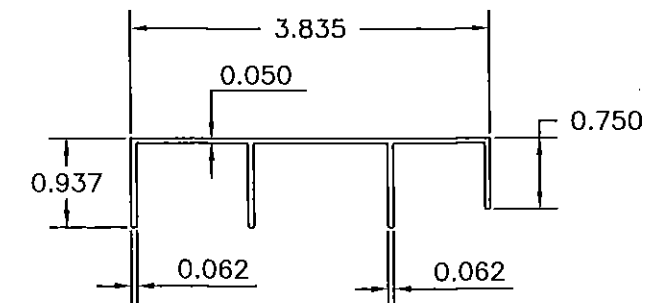
HD FEMALE ASTRAGAL
SW-3781
6063-T5



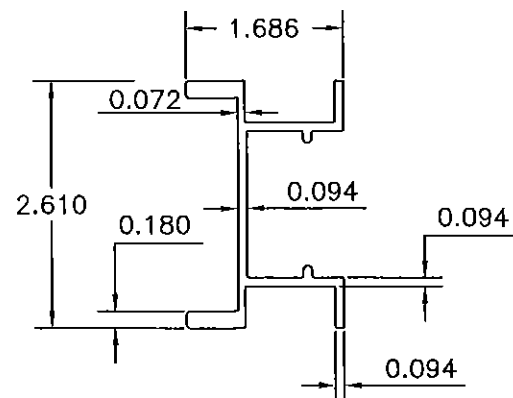
2T HI-RISE SILL
SSW-0002
6063-T5



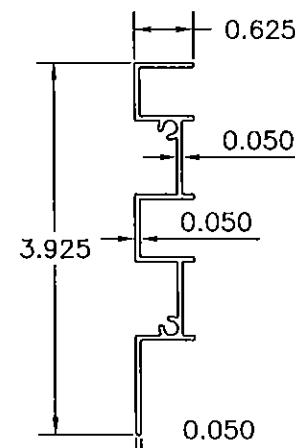
2T SILL
SSW-0015
6063-T5



2T HEAD
SW-002
6063-T5



STIFFENER FOR FEMALE ASTRAGAL
SW-3782
6063-T5

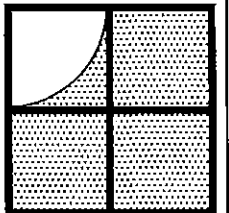


2T JAMB
SW-001
6063-T5

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SHEET 5 OF 5